

Field electron emission materials and devices

Patent number: US2004025732

Publication date: 2004-02-12

Inventor: TUCK RICHARD ALLAN (GB); BURDEN ADRIAN PAUL (GB); HOOD CHRISTOPHER (GB); LEE WARREN (GB); WAITE MICHAEL STUART (GB); EDIRISINGHE MOHAN (GB)

Applicant:

Classification:

- international: **H01J9/02; H01J9/02;** (IPC1-7): B41C1/00; B41M1/00

- european: H01J9/02B2

Application number: US20030333535 20030121

Priority number(s): GB20000015928 20000630; WO2001GB02862 20010628

Also published as:

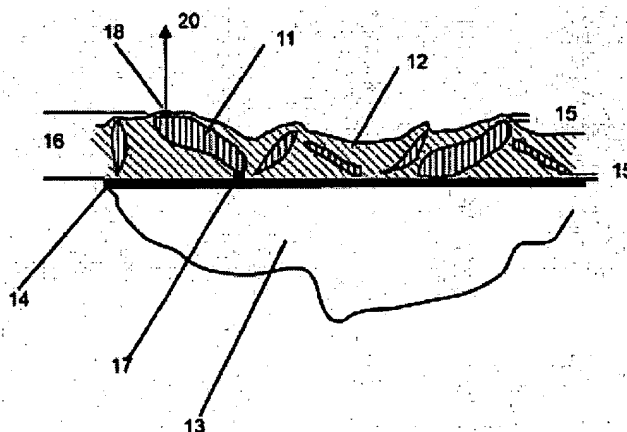


WO0203413 (A1)
MXPA03000072 (A)
GB2367186 (A)
CA2411380 (A1)

Report a data error here

Abstract of US2004025732

To create a field electron emission material, there is printed upon a substrate (1501) an ink (1503) comprising a major component of fluid vehicle; a first minor component of electrically insulating material, either on its own or provided within a precursor therefor; and a second minor component of electrically conductive particles (1504). The printed ink is then treated to expel the major component and create the field electron emission material from the minor components on the substrate. The electrically conductive particles may be omitted, to print a solid, electrically insulating layer in a field emission device.



Data supplied from the esp@cenet database - Worldwide